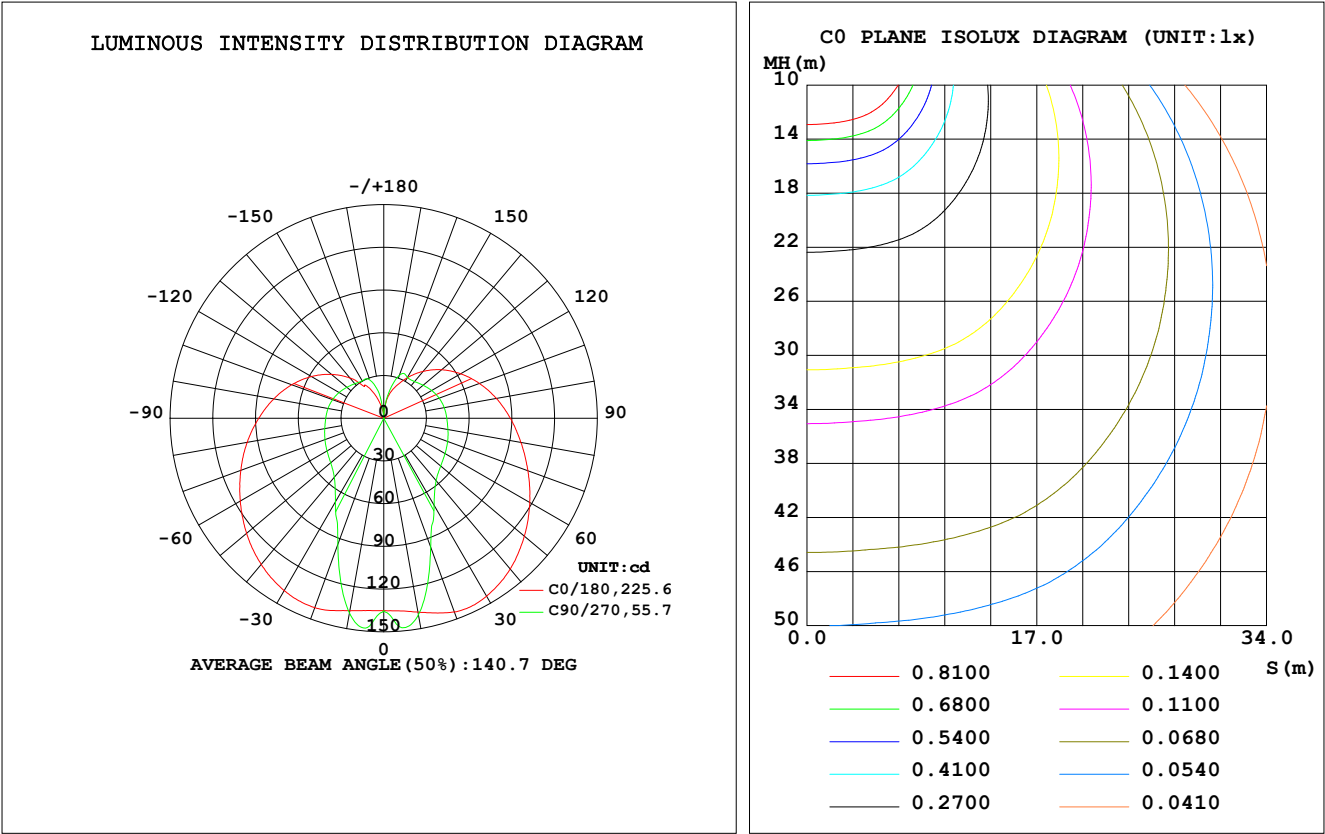


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.19V I:0.0410A P:8.5681W PF:0.9070 Freq:50.00Hz		
Lamp Flux:746.987x1 lm		
NAME: LED Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ross Gardam	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
Model: Pendant-White glass		Eff: 87.18 lm/W			
NOMINAL POWER(W)	8.5	Imax(cd)	147.9	S/MH(C0/180)	1.54
RATED VOLTAGE(V)	230	LOR(%)	100.0	S/MH(C90/270)	0.82
NOMINAL FLUX(lm)	746.987	TOTAL FLUX(lm)	746.99	η UP,DN(C0-180)	18.5,32.7
LAMPS INSIDE	1	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	17.3,31.5
TEST VOLTAGE(V)	230	η up(%)	35.8	CIBSE SHR NOM	1.00
		η down(%)	64.2	CIBSE SHR MAX	1.15



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2022-12-02

Checker: Near Gao

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.444
Humidity:60.5%
Test Distance:2.617m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Assessor: Akin Xu



ROSS GARDAM

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	138.2	146.3	140.2	143.1	137.3	145.6	138.9	143.7	0- 10	13.56	13.56	1.82,1.82
20	144.7	133.3	96.38	109.8	141.5	131.0	94.39	109.2	10- 20	37.05	50.61	6.77,6.77
30	144.3	109.2	70.75	79.74	139.8	106.7	67.96	77.84	20- 30	50.15	100.8	13.5,13.5
40	138.1	86.74	57.26	63.80	133.9	83.66	54.11	61.78	30- 40	57.51	158.3	21.2,21.2
50	128.9	75.35	52.21	54.91	125.8	70.68	48.72	52.86	40- 50	61.83	220.1	29.5,29.5
60	118.4	66.12	49.70	50.70	116.4	61.35	46.00	48.67	50- 60	65.13	285.2	38.2,38.2
70	107.6	59.21	47.75	48.14	106.8	54.42	43.98	46.10	60- 70	66.19	351.4	47,47
80	97.74	54.49	45.78	46.14	97.43	49.67	42.12	44.23	70- 80	65.36	416.8	55.8,55.8
90	88.92	50.79	44.29	44.18	87.81	46.00	40.78	42.49	80- 90	62.78	479.5	64.2,64.2
100	80.34	48.08	43.18	42.10	78.47	43.36	39.78	40.68	90-100	58.67	538.2	72.1,72.1
110	71.55	45.91	41.43	39.75	68.89	41.20	38.28	38.61	100-110	52.98	591.2	79.1,79.1
120	62.48	45.07	38.95	37.29	58.67	39.88	36.26	36.41	110-120	45.95	637.1	85.3,85.3
130	53.03	44.70	36.14	34.94	47.97	39.65	33.87	34.31	120-130	38.17	675.3	90.4,90.4
140	43.02	42.34	33.70	33.69	36.94	37.93	31.70	32.94	130-140	29.87	705.2	94.4,94.4
150	32.70	36.49	33.31	34.42	27.03	32.34	30.36	32.58	140-150	21.64	726.8	97.3,97.3
160	23.39	26.56	32.16	27.96	17.18	21.90	28.54	26.58	150-160	13.71	740.5	99.1,99.1
170	13.94	14.43	16.16	12.14	6.677	10.76	16.28	13.89	160-170	5.718	746.3	99.9,99.9
180	0.4049	0.4049	0.4049	0.4049	0.4052	0.4052	0.4052	0.4052	170-180	0.7305	747.0	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 188.67 lm

%lum = 25.3%
%lamp = 25.3%

Conical surface Flux(120deg): 285.22 lm

%lum = 38.2%
%lamp = 38.2%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2022-12-02

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.444
Humidity:60.5%
Test Distance:2.617m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

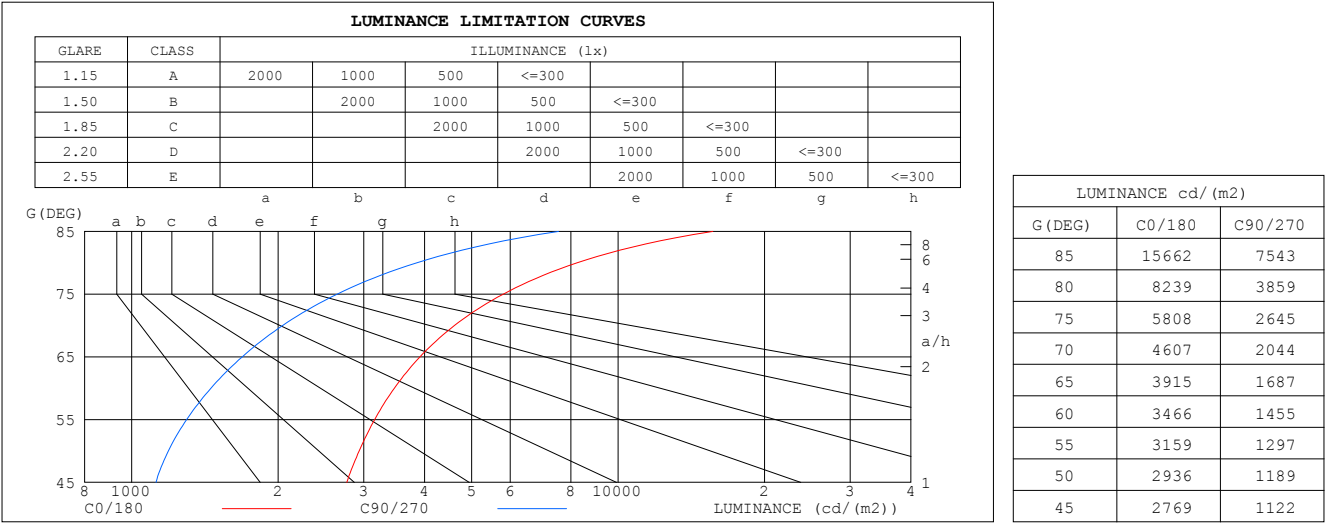
Assessor: Akin Xu



ROSS GARDAM

LUMINANCE LIMITATION CURVES

Test:U:230.19V I:0.0410A P:8.5681W PF:0.9070 Freq:50.00Hz Lamp Flux:746.987x1 lm		
NAME: LED Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ross Gardam	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2022-12-02

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.444
Humidity:60.5%
Test Distance:2.617m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao
Assessor: Akin Xu

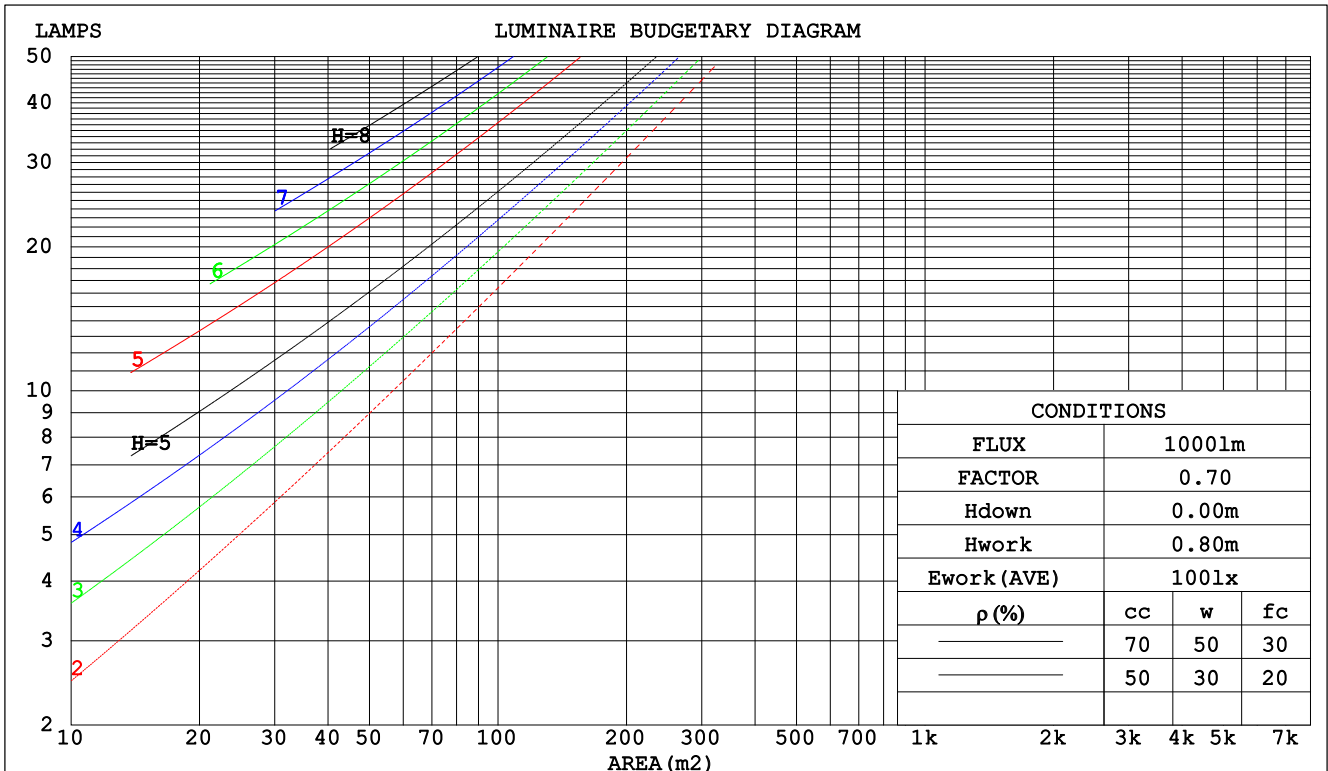


ROSS GARDAM

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.19V I:0.0410A P:8.5681W PF:0.9070 Freq:50.00Hz		
Lamp Flux:746.987x1 lm		
NAME: LED Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ross Gardam	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.11	1.11	1.11	1.04	1.04	1.04	.91	.91	.91	.80	.80	.80	.69	.69	.69	.64
1.0	.91	.86	.81	.85	.81	.76	.74	.71	.67	.64	.62	.59	.55	.53	.51	.46
2.0	.78	.70	.64	.73	.66	.60	.63	.58	.53	.55	.51	.47	.47	.44	.41	.36
3.0	.68	.59	.52	.63	.55	.49	.55	.49	.44	.48	.43	.38	.41	.37	.33	.30
4.0	.59	.50	.43	.56	.47	.41	.49	.42	.37	.42	.37	.32	.36	.32	.28	.25
5.0	.53	.44	.37	.50	.41	.35	.43	.37	.31	.38	.32	.28	.32	.28	.24	.21
6.0	.47	.38	.32	.44	.36	.30	.39	.32	.27	.34	.28	.24	.29	.25	.21	.18
7.0	.43	.34	.28	.40	.32	.26	.35	.29	.24	.31	.25	.21	.27	.22	.19	.16
8.0	.39	.30	.25	.37	.29	.23	.32	.26	.21	.28	.23	.19	.25	.20	.17	.14
9.0	.35	.27	.22	.33	.26	.21	.30	.23	.19	.26	.21	.17	.23	.18	.15	.13
10.0	.33	.25	.20	.31	.24	.19	.27	.21	.17	.24	.19	.15	.21	.17	.14	.12



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.1DEG
 Operators:Wilson
 Test Date:2022-12-02

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.444
 Humidity:60.5%
 Test Distance:2.617m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu



ROSS GARDAM

WEC AND CCEC

Test:U:230.19V I:0.0410A P:8.5681W PF:0.9070 Freq:50.00Hz Lamp Flux:746.987x1 lm		
NAME: LED Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ross Gardam	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
p _{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.389	.221	.070	.370	.211	.067	.336	.193	.062	.305	.176	.057	.277	.160	.052		
2.0	.329	.180	.055	.313	.172	.053	.282	.157	.049	.253	.142	.044	.227	.128	.041		
3.0	.290	.154	.046	.275	.147	.044	.246	.134	.041	.220	.121	.037	.196	.109	.034		
4.0	.259	.135	.040	.246	.129	.038	.220	.117	.035	.196	.105	.032	.174	.095	.029		
5.0	.235	.120	.035	.222	.114	.033	.199	.104	.030	.177	.093	.028	.157	.084	.025		
6.0	.215	.108	.031	.203	.103	.030	.182	.093	.027	.162	.084	.025	.143	.075	.022		
7.0	.198	.098	.028	.187	.093	.027	.167	.085	.024	.149	.076	.022	.131	.068	.020		
8.0	.183	.090	.025	.174	.086	.024	.155	.078	.022	.138	.070	.020	.122	.062	.018		
9.0	.171	.083	.023	.162	.079	.022	.145	.072	.020	.129	.064	.018	.113	.058	.017		
10.0	.160	.077	.021	.151	.073	.020	.136	.066	.019	.120	.060	.017	.106	.053	.015		

pcc	80%			70%			50%			30%			10%			0
p _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
p _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.463	.463	.463	.396	.396	.396	.270	.270	.270	.155	.155	.155	.050	.050	.050	
1.0	.461	.430	.403	.394	.369	.347	.270	.254	.240	.155	.147	.140	.050	.047	.045	
2.0	.454	.409	.370	.389	.352	.320	.267	.243	.223	.154	.142	.131	.049	.046	.043	
3.0	.447	.393	.350	.383	.339	.303	.263	.235	.213	.152	.137	.125	.049	.045	.041	
4.0	.439	.381	.336	.377	.329	.292	.259	.229	.206	.150	.134	.122	.048	.044	.040	
5.0	.431	.371	.327	.370	.321	.285	.255	.224	.201	.148	.132	.119	.048	.043	.039	
6.0	.424	.364	.320	.365	.315	.279	.251	.220	.197	.146	.130	.117	.047	.042	.039	
7.0	.417	.357	.315	.359	.310	.275	.248	.217	.195	.144	.128	.116	.047	.042	.038	
8.0	.411	.352	.312	.354	.305	.272	.245	.214	.193	.142	.126	.115	.046	.041	.038	
9.0	.405	.347	.309	.349	.301	.269	.242	.212	.191	.141	.125	.114	.046	.041	.038	
10.0	.399	.343	.306	.344	.298	.267	.239	.210	.190	.139	.124	.113	.045	.041	.038	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2022-12-02

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.444
Humidity:60.5%
Test Distance:2.617m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu



ROSS GARDAM

UGR(Unified Glare Rating) Table

Test:U:230.19V I:0.0410A P:8.5681W PF:0.9070 Freq:50.00Hz Lamp Flux:746.987x1 lm											
NAME: LED Light					TYPE:			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:			
MFR.: Ross Gardam					SUR.:			Shielding Angle:			
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H y = 2H	15.8	17.0	16.5	17.7	18.6	10.7	11.9	11.4	12.6	13.5	
	3H	18.8	19.8	19.5	20.6	21.5	13.4	14.5	14.1	15.2	16.2
	4H	20.4	21.4	21.1	22.2	23.1	15.0	16.0	15.8	16.8	17.7
	6H	22.1	23.1	22.9	23.9	24.9	16.8	17.8	17.6	18.6	19.5
	8H	23.1	24.1	23.9	24.9	25.8	17.9	18.8	18.6	19.6	20.6
	12H	24.3	25.2	25.1	26.0	27.0	19.1	19.9	19.9	20.7	21.7
4H	2H	16.0	17.0	16.7	17.8	18.7	12.3	13.3	13.1	14.1	15.1
	3H	19.3	20.2	20.1	21.0	22.0	14.9	15.8	15.7	16.6	17.6
	4H	21.2	22.1	22.1	22.9	23.9	16.5	17.3	17.3	18.1	19.2
	6H	23.3	24.1	24.2	24.9	26.0	18.4	19.1	19.2	20.0	21.0
	8H	24.5	25.1	25.3	26.0	27.1	19.5	20.1	20.3	21.0	22.1
	12H	25.8	26.4	26.6	27.3	28.3	20.7	21.4	21.6	22.2	23.3
8H	4H	21.4	22.1	22.3	23.0	24.0	17.6	18.3	18.5	19.2	20.3
	6H	23.9	24.4	24.8	25.3	26.4	19.6	20.2	20.5	21.1	22.2
	8H	25.3	25.8	26.2	26.7	27.8	20.8	21.4	21.7	22.3	23.4
	12H	26.9	27.4	27.8	28.3	29.4	22.3	22.7	23.2	23.6	24.8
12H	4H	21.4	22.0	22.3	22.9	24.0	18.1	18.8	19.0	19.6	20.7
	6H	23.9	24.5	24.8	25.4	26.5	20.2	20.7	21.1	21.6	22.7
	8H	25.5	25.9	26.4	26.8	28.0	21.5	21.9	22.4	22.8	24.0
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.2					
2.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.3					

CIE Pub.117, 747.0 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -1.0)
Area: 0.0683146 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2022-12-02

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.444
Humidity:60.5%
Test Distance:2.617m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

Assessor: Akin Xu



ROSS GARDAM

UTILIZATION FACTORS TABLE

Test:U:230.19V I:0.0410A P:8.5681W PF:0.9070 Freq:50.00Hz Lamp Flux:746.987x1 lm		
NAME: LED Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ross Gardam	SUR.:	Shielding Angle:

REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	43	31	24	41	30	23	39	28	22	16
0.80	52	39	31	49	37	30	45	35	28	20
1.00	59	46	37	56	44	36	51	43	34	24
1.25	66	52	44	62	50	42	56	46	39	28
1.50	71	58	49	67	55	47	60	51	44	31
2.00	78	66	57	74	63	55	66	57	51	35
2.50	83	72	63	78	68	60	69	61	55	38
3.00	86	76	68	81	72	65	72	65	59	41
4.00	91	83	76	86	78	72	76	70	65	45
5.00	94	87	80	89	82	76	78	73	68	48
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.1DEG
 Operators: Wilson
 Test Date: 2022-12-02

Checker: Near Gao

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.444
 Humidity: 60.5%
 Test Distance: 2.617m [K=1.0000]
 Remarks: File No.: WT-F-504-3206-01-A

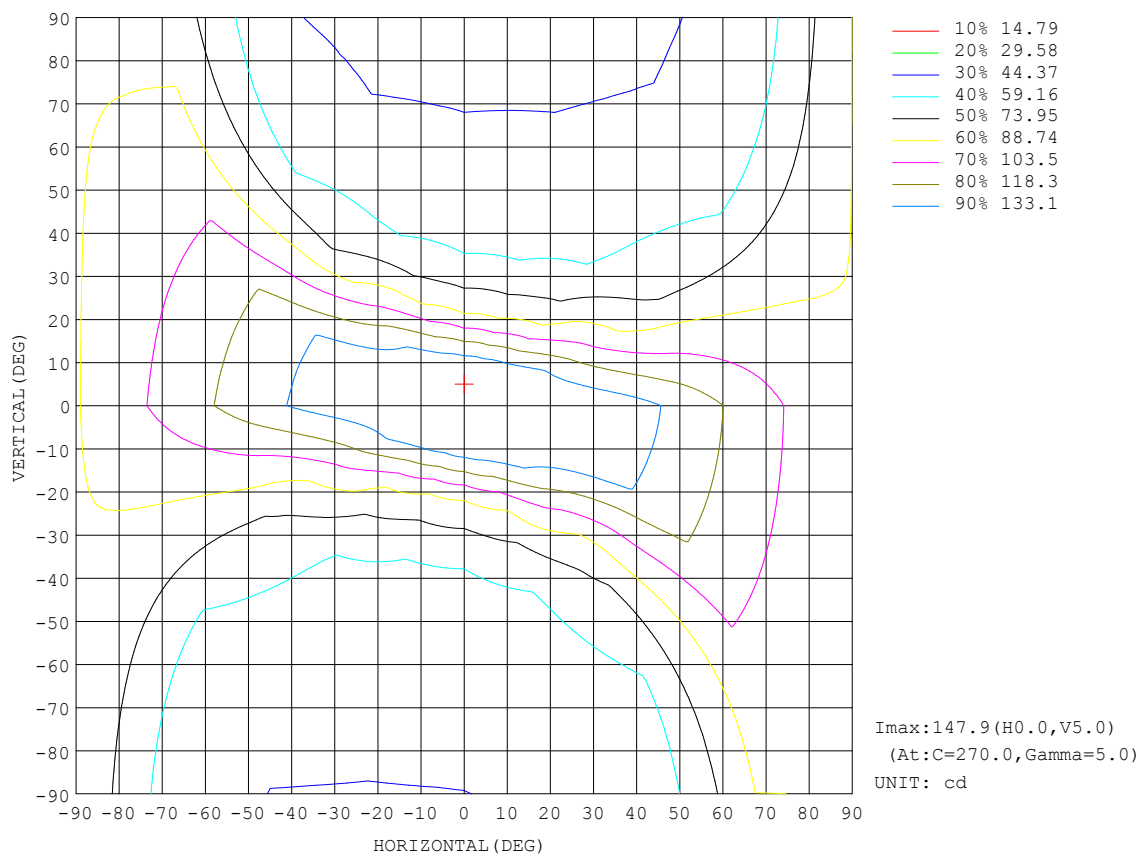
Assessor: Akin Xu



ROSS GARDAM

ISOCANDELA DIAGRAM

Test:U:230.19V I:0.0410A P:8.5681W PF:0.9070 Freq:50.00Hz Lamp Flux:746.987x1 lm		
NAME: LED Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ross Gardam	SUR.:	Shielding Angle:



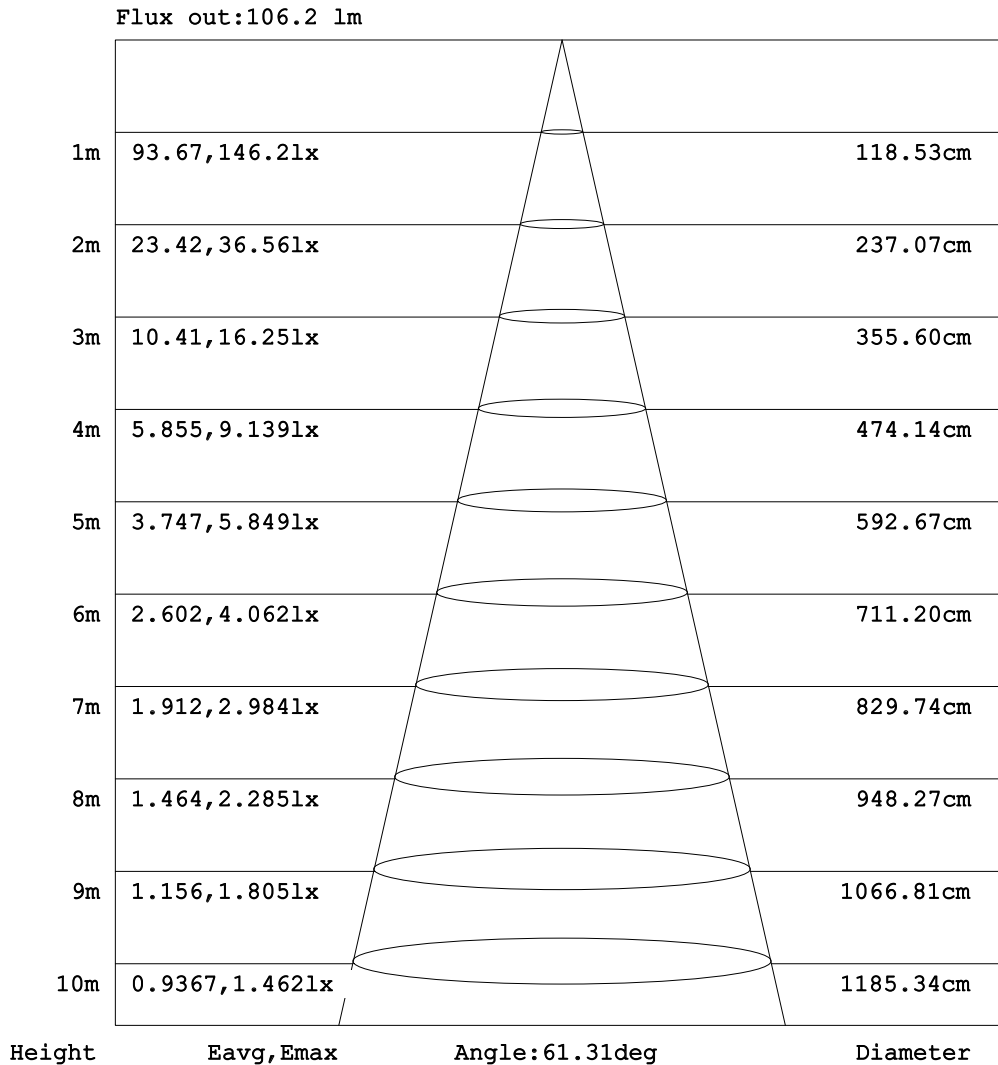
C Range: 0 - 360DEG	γ Range: 0 - 180DEG
C Interval: 22.5DEG	γ Interval: 0.5DEG
Test Speed: HIGH	Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.444
Temperature:25.1DEG	Humidity:60.5%
Operators:Wilson	Test Distance:2.617m [K=1.0000]
Test Date:2022-12-02	Remarks: File No.: WT-F-504-3206-01-A
Checker: Near Gao	Assessor: Akin Xu



ROSS GARDAM

AAI Figure

Test:U:230.19V I:0.0410A P:8.5681W PF:0.9070 Freq:50.00Hz Lamp Flux:746.987x1 lm		
NAME: LED Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ross Gardam	SUR.:	Shielding Angle:



Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2022-12-02

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.444
Humidity:60.5%
Test Distance:2.617m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Checker: Near Gao

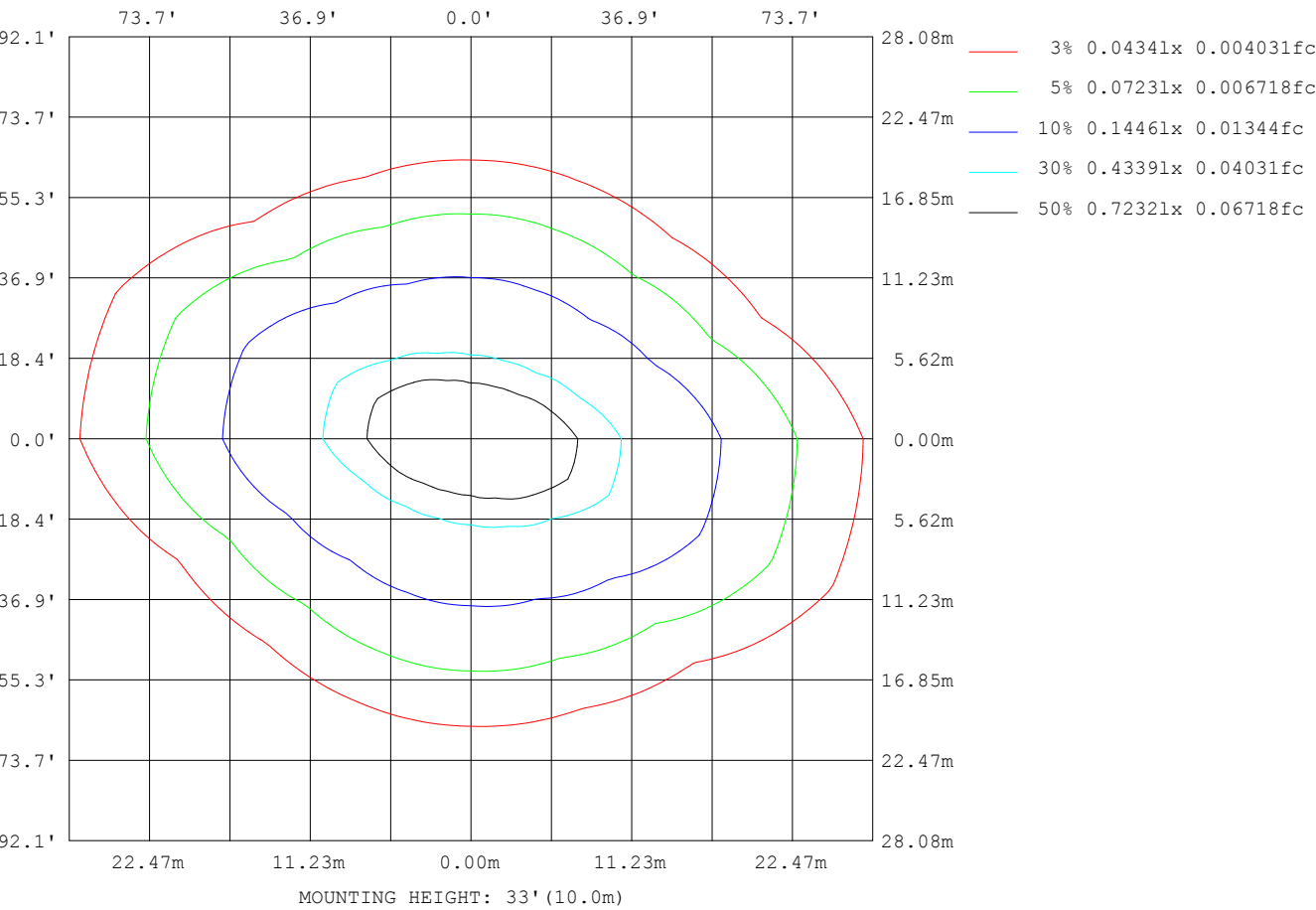
Assessor: Akin Xu



ROSS GARDAM

ISOLUX DIAGRAM

Test:U:230.19V I:0.0410A P:8.5681W PF:0.9070 Freq:50.00Hz Lamp Flux:746.987x1 lm		
NAME: LED Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ross Gardam	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2022-12-02

Checker: Near Gao

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.444
Humidity:60.5%
Test Distance:2.617m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Assessor: Akin Xu



ROSS GARDAM

LED Avg.L Report

Test:U:230.19V I:0.0410A P:8.5681W PF:0.9070 Freq:50.00Hz Lamp Flux:746.987x1 lm		
NAME: LED Light	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ross Gardam	SUR.:	Shielding Angle:

AvgL	cd/m2
L_0~180 (65) av	3889
L_0~180 (75) av	5793
L_0~180 (85) av	15609
L_90~270 (65) av	1623
L_90~270 (75) av	2539
L_90~270 (85) av	7245
L_45 (65) av	1874
L_45 (75) av	2837
L_45 (85) av	7939

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2022-12-02

Checker: Near Gao

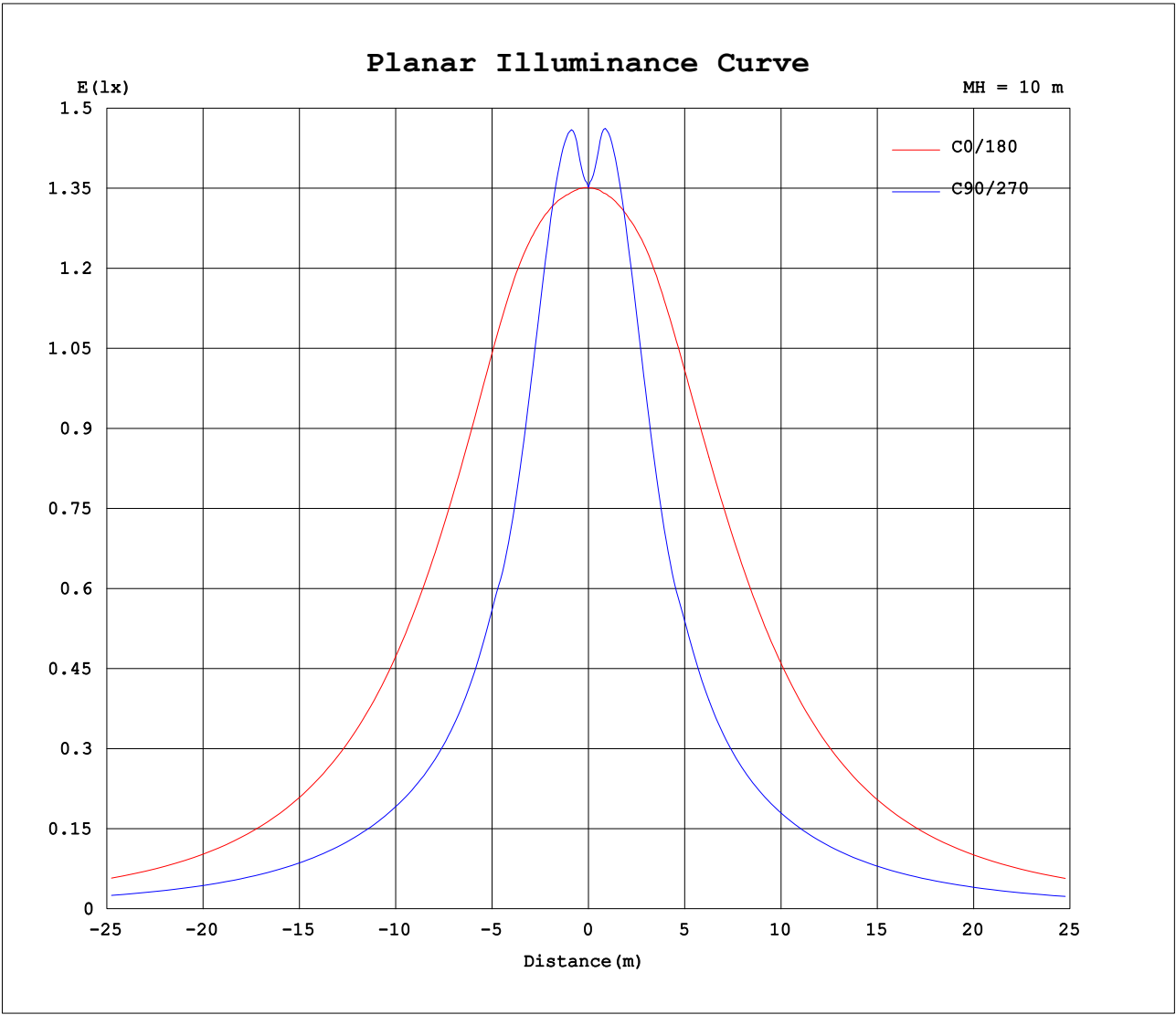
γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.444
Humidity:60.5%
Test Distance:2.617m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Assessor: Akin Xu



ROSS GARDAM

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.1DEG
Operators:Wilson
Test Date:2022-12-02

Checker: Near Gao

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.444
Humidity:60.5%
Test Distance:2.617m [K=1.0000]
Remarks: File No.: WT-F-504-3206-01-A

Assessor: Akin Xu



ROSS GARDAM

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.19V I:0.0410A P:8.5681W PF:0.9070 Freq:50.00Hz																	
Lamp Flux:746.987x1 lm																	
NAME: LED Light									TYPE:						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.: Ross Gardam									SUR.:						Shielding Angle:		

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135	135			
5	136	136	142	145	148	147	146	141	136	135	140	145	148	148	147	141			
10	138	139	146	143	140	139	143	145	137	137	146	142	139	140	144	147			
15	142	143	142	128	120	119	129	141	140	140	141	127	118	119	129	143			
20	145	144	133	109	96.4	96.2	110	132	141	141	131	107	94.4	95.6	109	134			
25	146	144	121	91.4	81.3	81.0	91.4	121	141	141	119	89.3	78.3	79.1	90.5	122			
30	144	142	109	80.5	70.7	70.6	79.7	109	140	138	107	77.3	68.0	68.8	77.8	110			
35	142	139	97.2	71.9	62.5	62.3	71.3	97.7	137	135	94.6	68.7	59.6	60.3	69.3	97.7			
40	138	135	86.7	64.6	57.3	57.1	63.8	87.5	134	131	83.7	61.1	54.1	54.7	61.8	86.9			
45	134	131	79.4	59.5	54.2	53.9	58.5	79.7	130	127	75.4	55.8	50.8	51.3	56.5	78.8			
50	129	127	75.3	56.0	52.2	51.9	54.9	75.1	126	122	70.7	52.1	48.7	49.1	52.9	74.1			
55	124	122	70.5	53.6	50.8	50.5	52.4	70.8	121	116	65.9	49.6	47.2	47.5	50.4	69.6			
60	118	117	66.1	51.9	49.7	49.3	50.7	66.3	116	111	61.3	47.8	46.0	46.3	48.7	65.2			
65	113	111	62.3	50.5	48.7	48.3	49.3	62.6	112	106	57.5	46.3	45.0	45.3	47.3	61.5			
70	108	106	59.2	49.3	47.7	47.4	48.1	59.5	107	101	54.4	45.1	44.0	44.3	46.1	58.4			
75	103	102	56.6	48.2	46.8	46.4	47.1	56.9	102	96.7	51.8	44.1	43.0	43.3	45.1	55.8			
80	97.7	97.0	54.5	47.2	45.8	45.5	46.1	54.6	97.4	92.1	49.7	43.1	42.1	42.4	44.2	53.6			
85	93.3	92.9	52.7	46.3	44.9	44.7	45.2	52.5	92.6	87.6	47.8	42.2	41.4	41.6	43.4	51.7			
90	88.9	88.7	50.8	45.3	44.3	44.0	44.2	50.7	87.8	83.1	46.0	41.3	40.8	41.1	42.5	50.0			
95	84.6	84.4	49.5	44.4	43.8	43.4	43.2	49.1	83.2	78.9	44.7	40.4	40.3	40.6	41.6	48.4			
100	80.3	80.2	48.1	43.3	43.2	42.7	42.1	47.6	78.5	74.7	43.4	39.4	39.8	40.1	40.7	47.0			
105	76.0	76.0	46.8	42.2	42.4	41.8	40.9	46.3	73.7	70.4	42.2	38.4	39.1	39.4	39.7	45.7			
110	71.6	71.6	45.9	41.0	41.4	40.8	39.7	45.2	68.9	66.1	41.2	37.4	38.3	38.6	38.6	44.5			
115	67.1	67.1	45.2	39.7	40.3	39.7	38.5	44.5	63.8	61.7	40.4	36.4	37.3	37.6	37.5	43.5			
120	62.5	62.3	45.1	38.5	38.9	38.4	37.3	44.0	58.7	57.3	39.9	35.3	36.3	36.5	36.4	42.8			
125	57.8	57.6	45.1	37.3	37.5	37.0	36.0	43.5	53.4	52.8	39.8	34.3	35.1	35.4	35.3	42.5			
130	53.0	52.5	44.7	36.2	36.1	35.6	34.9	42.4	48.0	48.2	39.6	33.3	33.9	34.2	34.3	42.2			
135	48.1	47.3	43.8	35.3	34.8	34.3	34.1	40.5	42.5	43.4	39.1	32.5	32.8	33.1	33.4	41.4			
140	43.0	42.0	42.3	34.8	33.7	33.3	33.7	38.5	36.9	37.4	37.9	31.9	31.7	32.1	32.9	40.2			
145	37.9	36.7	40.0	35.2	33.1	32.7	34.2	36.1	30.3	32.4	36.1	31.8	30.9	31.2	33.0	38.4			
150	32.7	32.0	36.5	35.5	33.3	33.0	34.4	32.7	27.0	27.1	32.3	31.6	30.4	30.6	32.6	35.5			
155	27.7	27.4	31.9	33.9	34.5	34.1	32.6	28.1	22.9	22.0	27.8	29.5	30.5	30.2	30.7	31.4			
160	23.4	22.1	26.6	29.8	32.2	31.4	28.0	22.6	17.2	19.0	21.9	26.1	28.5	27.9	26.6	22.9			
165	19.1	16.2	20.4	23.3	24.9	23.5	20.6	16.3	11.5	14.3	15.8	19.9	23.4	23.6	21.7	19.9			
170	13.9	11.6	14.4	14.8	16.2	13.4	12.1	10.3	6.68	9.52	10.8	12.4	16.3	16.3	13.9	14.1			
175	7.33	7.14	5.32	6.61	6.57	3.33	3.73	4.00	3.35	4.86	5.12	3.51	1.87	3.80	5.87	7.23			
180	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.41	0.41	0.41	0.41	0.41	0.41	0.41	0.41			

C Range: 0 - 360DEG
C Interval: 22.5DEG
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Test Date:2022-12-02

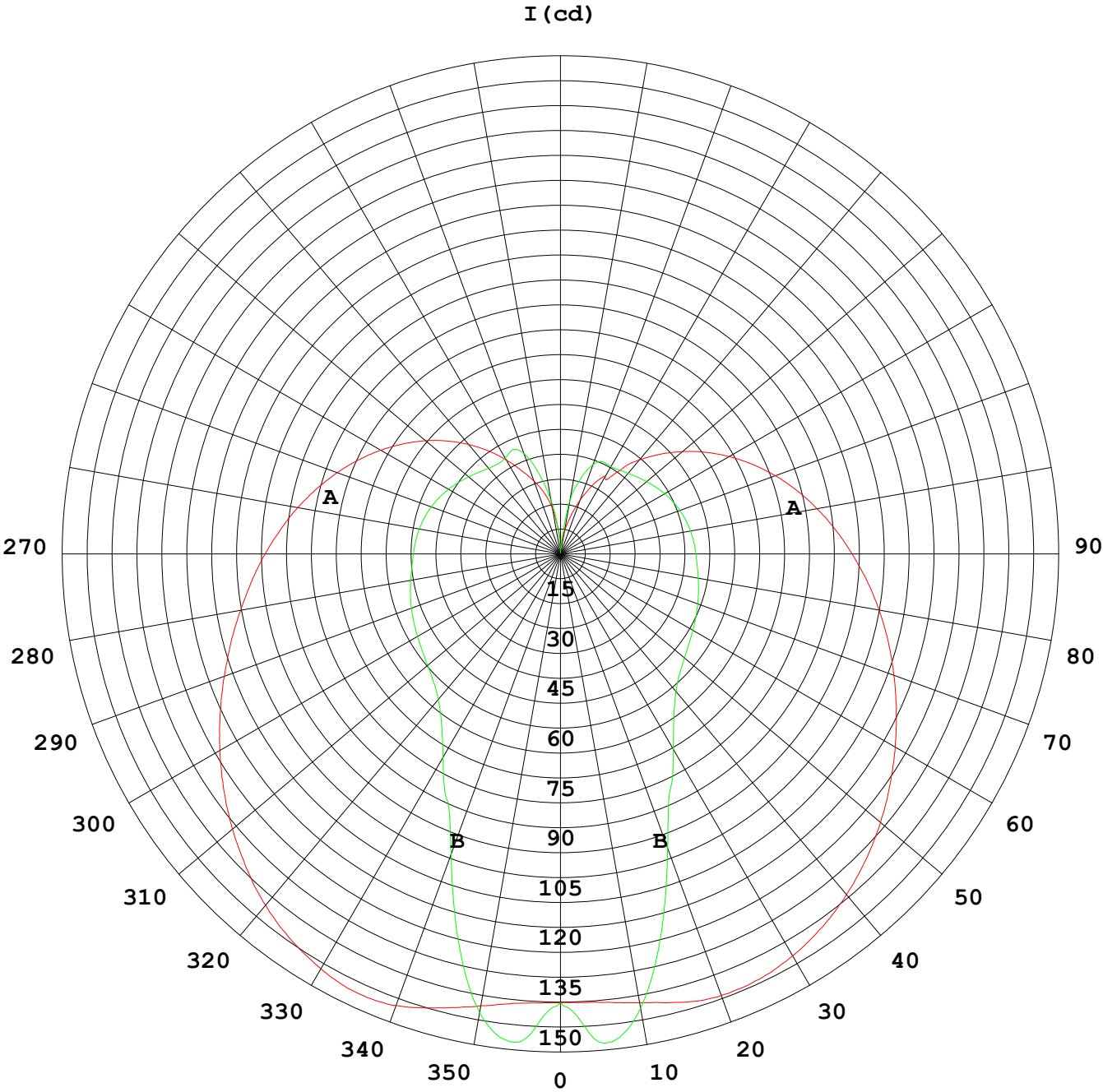
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Checker: Near Gao

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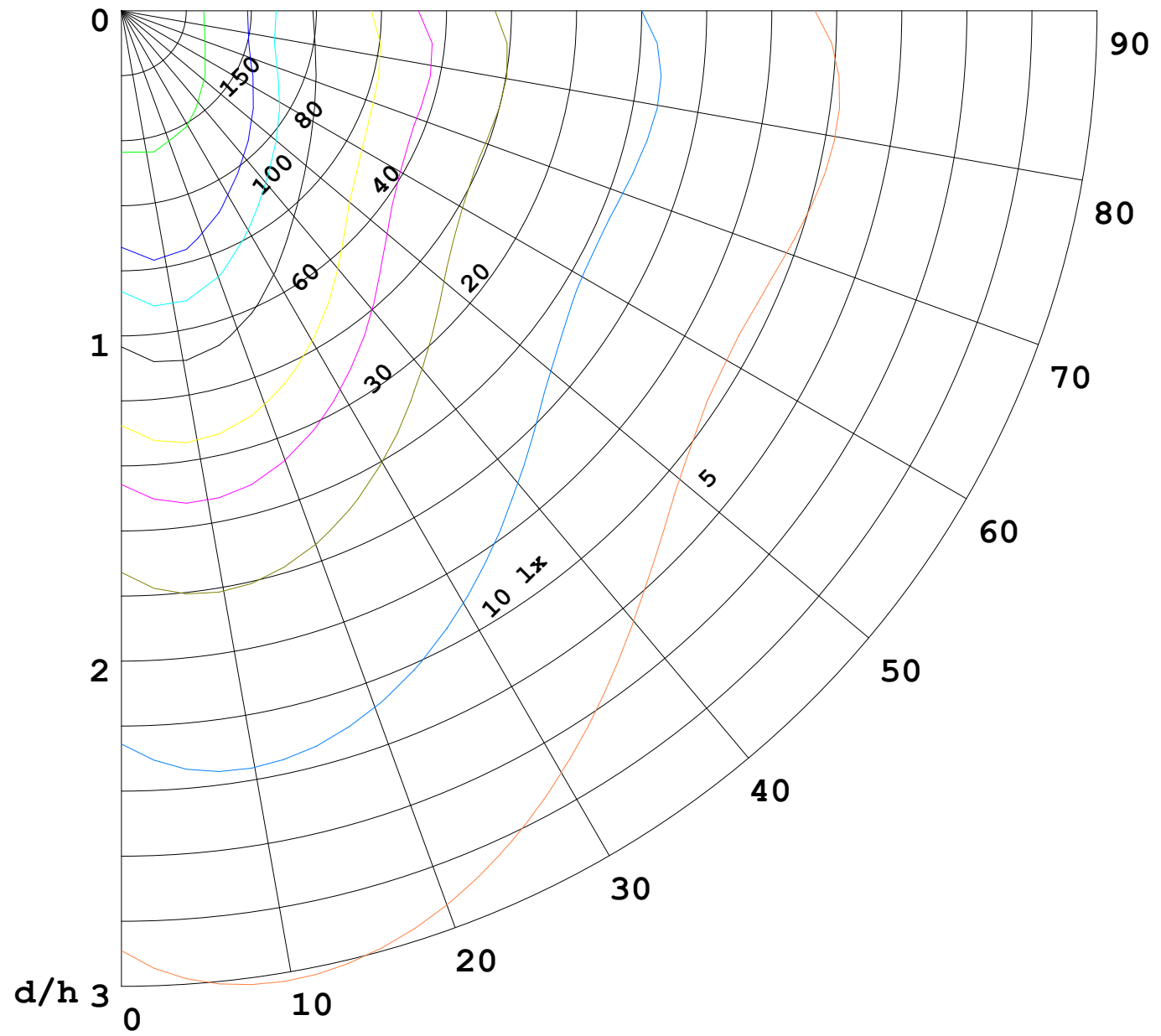


ROSS GARDAM



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1000 lm $K = 1$



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F = 1000 lm
K = 0.7
Hcc = 0.8 m
Hfc = 0.0 m
Eave = 100 lx

	Pcc	Pw	Pfc
—————	70	50	30
—————	50	30	20

